

*Typhlopsylla hexactenus*, Kol.

1856. Kolenati, l. c., p. 51 (*Ceratopsyllus hexactenus*).

*Typhlopsylla pentactenus*, Kol.

1856. Kolenati, l. c., p. 32 (*Ceratopsyllus pentactenus*).

*Typhlopsylla dictenus*, Kol.

1856. Kolenati, l. c., p. 32 (*Ceratopsyllus dictenus*).

The above five species of *Typhlopsylla* are all bat fleas, and have been found on a number of kinds of bats in various parts of Europe. I regret to say that I have not been able to obtain any bat fleas from this side of the water.

*Typhlopsylla musculi*, Duges.

1832. Duges, Ann. d. Sci. Nat. XXVIII., p. 163 (*Pulex musculi*).

1880. Taschenberg, Die Flohe, p. 92 (*Typhlopsylla musculi*).

This species has been taken on various mice and rats in Europe. I have seen no fleas from either mice or rats taken in America.

*Typhlopsylla caucasica*, Tschb.

1840. Motschulsky, Bull. Soc. imp. Moscow, p. 169 (*Pulex typhlus*).

1880. Taschenberg, Die Flohe, p. 94 (*Typhlopsylla caucasica*).

"Found by Motschulsky on *Spalax typhlus* in the Caucasian Steppes."

*Typhlopsylla assimilis*, Tschb.

1880. Taschenberg, Die Flohe, p. 95.

Found in Europe on *Sorex vulgaris*, *Talpa europæa*, *Mus sylvaticus*, and *Arvicola arvalis*. I have specimens from Lincoln, Nebr., taken on mole (Brumer); from Ames, Iowa, taken on *Scolops argentatus* (Osborn); and I have found the same species at Lansing, Mich., on the common garden mole. In the male the head above is very slightly concave (as it is in most Pulicidæ), not convex as figured by Taschenberg, nor does the face slope conspicuously downward and backward in either male or female, but meets the cheek margin at little greater than a right angle.

*Typhlopsylla gracilis*, Tschb.

1880. Taschenberg, Die Flohe, p. 96.

Found in Europe on *Talpa europæa* and *Sorex vulgaris*.

*Typhlopsylla fraternæ*, n. sp.

I have collected specimens of this very distinct species at Lansing, Mich., on the common garden mole, and have also received a specimen from Prof. J. M. Aldrich, collected at Brookings, S. D., the host not given.